We claim:

1. A method of producing metal tubing in a planetary skew rolling mill which comprises the steps of:

(a) advancing a tubular metal bloom between a plurality of rolls of a planetary skew rolling mill, positioning a mandrel-shaped internal tool within said bloom and rolling the bloom with said rolls against said mandrel-shaped internal tool to a reduced wall thickness of a rolled tubing in a working position of said internal tool;

(b) upon approach of an end of said bloom to a region of said rolls, withdrawing said mandrel-shaped internal tool from said working position linearly by a predetermined distance in a direction opposite a direction of advance of the bloom; and

(c) upon said end passing said region of said rolls, displacing said mandrel-shaped internal tool linearly back into said position.

2. The method defined in claim 1, further comprising the step of sealing said end liquid tight by compressing said end with said rolls upon withdrawal of said mandrel-shaped internal tool from said position.

3. The method defined in claim 2 wherein said end is a leading end of the bloom.

4. The method defined in claim 2 wherein said end is a trailing end of the bloom.

5. The method defined in claim 2 wherein both a leading end and a trailing end of the bloom are sealed.

6. The method defined in claim 2 wherein at least two of said blooms are fed one after another though said region and a leading end of a subsequent bloom abuts a trailing end of a preceding bloom.

7. The method defined in claim 6 wherein a succession of said blooms are fed continuously through the planetary skew rolling mill.

8. The method defined in claim 2, further comprising the steps of measuring rotation of said tubing during rolling

thereof, and controlling at least one drive of the planetary skew rolling mill to compensate for rotation of the tubing about a longitudinal axis thereof.

9. The method defined in claim 8 wherein the controlled drive is a main drive of said rolling mill.

10. The method defined in claim 8 wherein the controlled drive is a superimposed drive of said rolling mill.

11. The method defined in claim 2, further comprising the step of cooling at least one of said bloom and said tubing with a liquid cooling medium.

12. A planetary skew rolling mill for producing metal tubing,
comprising:
a plurality of rolls in a planetary skew rolling mill configuration and a mandrel-shaped internal tool within a tubular metal bloom for rolling the bloom with said rolls against said mandrel-shaped internal tool to a reduced wall thickness of a rolled tubing in a working position of said internal tool; and

a device connected to said internal tool and effective upon approach of an end of said bloom to a region of said rolls for withdrawing said mandrel-shaped internal tool from said working position linearly by a predetermined distance in a direction opposite to a direction of advance of the bloom, and effective upon said end passing said region of said rolls for displacing said mandrel-shaped internal tool linearly back into said position.

13. The planetary skew rolling mill defined in claim 12 wherein said device is a linear actuator.

14. The planetary skew rolling mill defined in claim 12 wherein said linear actuator is a hydraulic actuator.

15. The planetary skew rolling mill defined in claim 12 wherein said linear actuator is an electrical actuator.